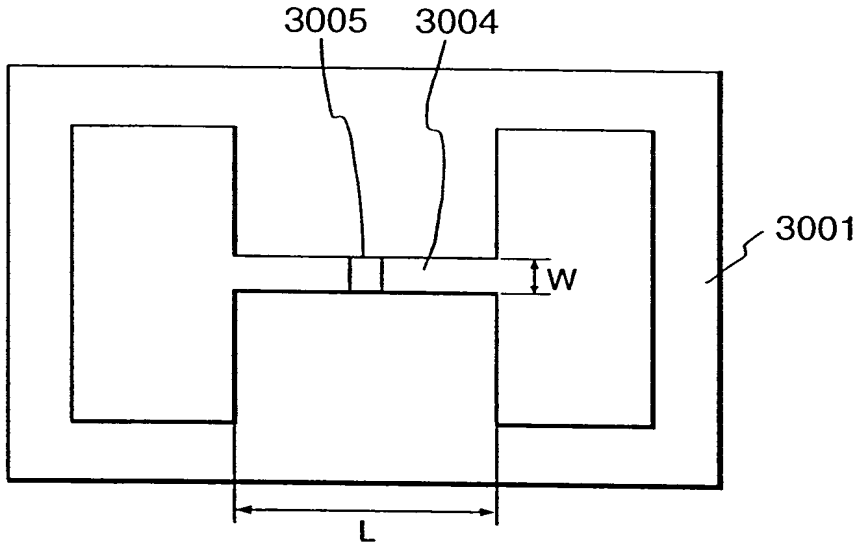
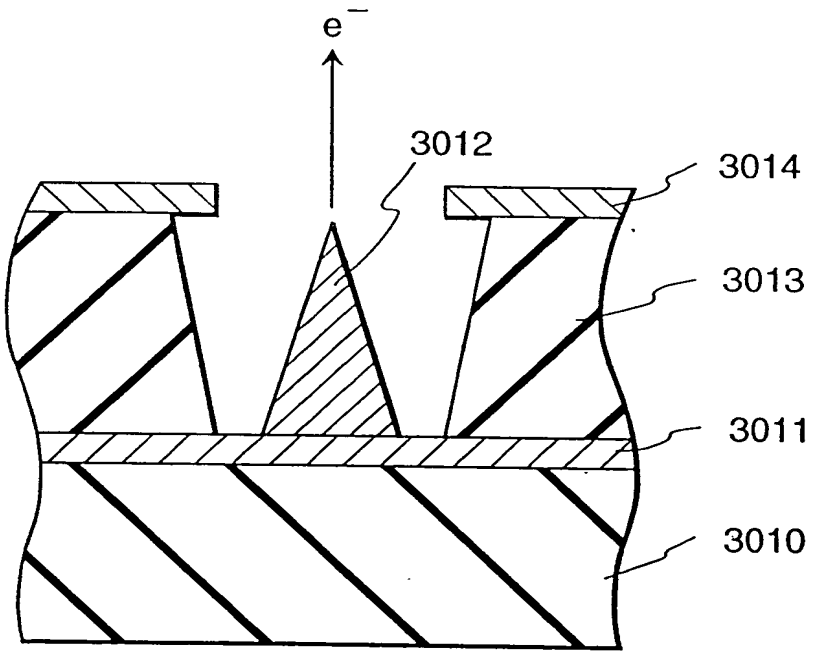
FIG. 19



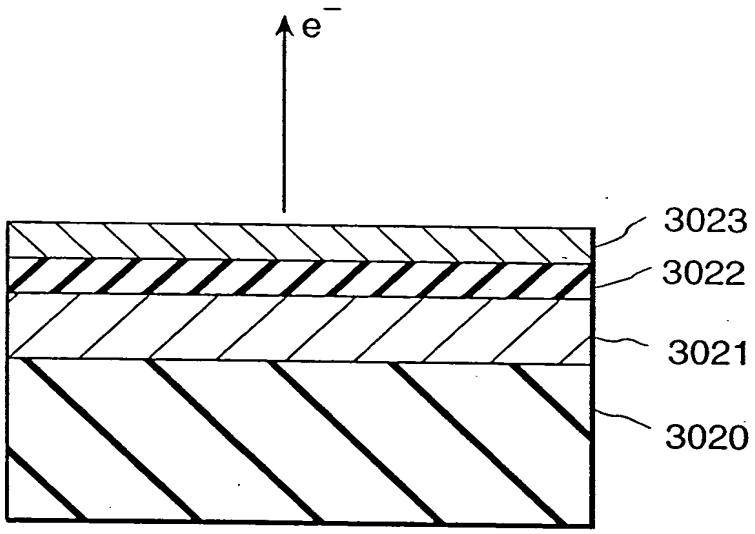

--PRIOR ART--

FIG. 20




-- PRIOR ART --

FIG. 21




--PRIOR ART--

FIG. 26

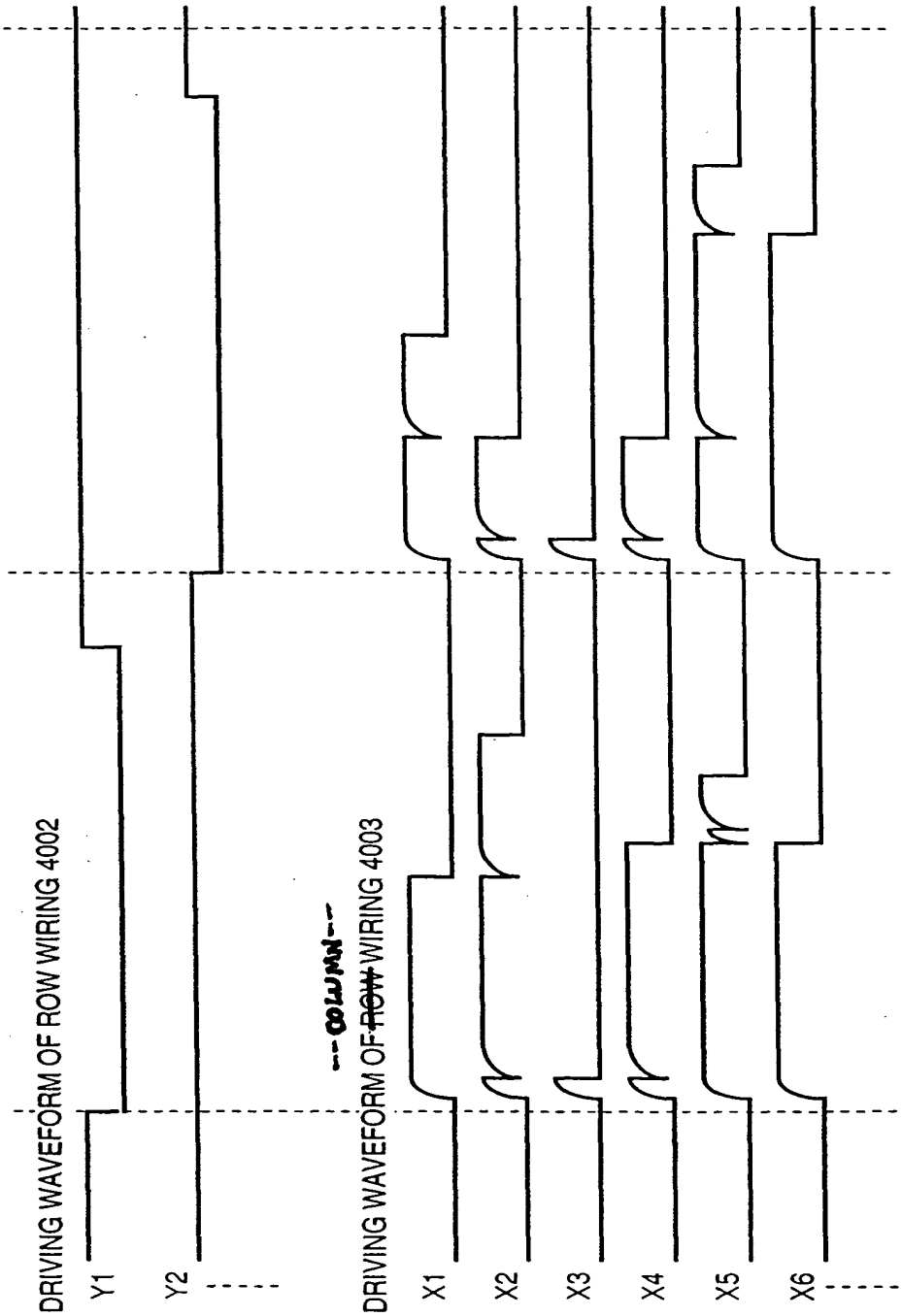

DRIVING WAVEFORM OF ROW WIRING 4002
Y1
Y2
DRIVING WAVEFORM OF ~~ROW~~ COLUMN WIRING 4003
X1
X2
X3
X4
X5
X6

FIG. 29

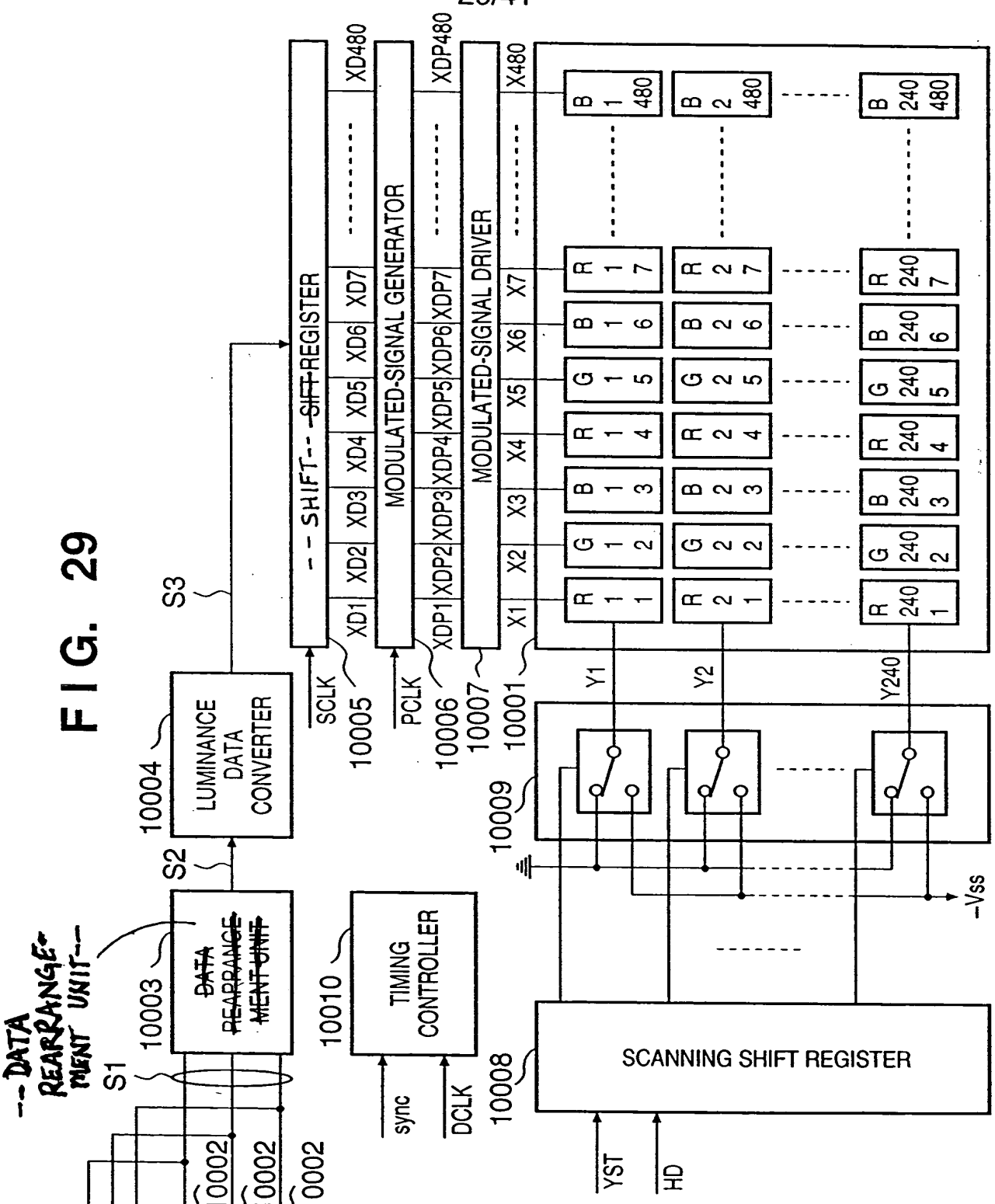
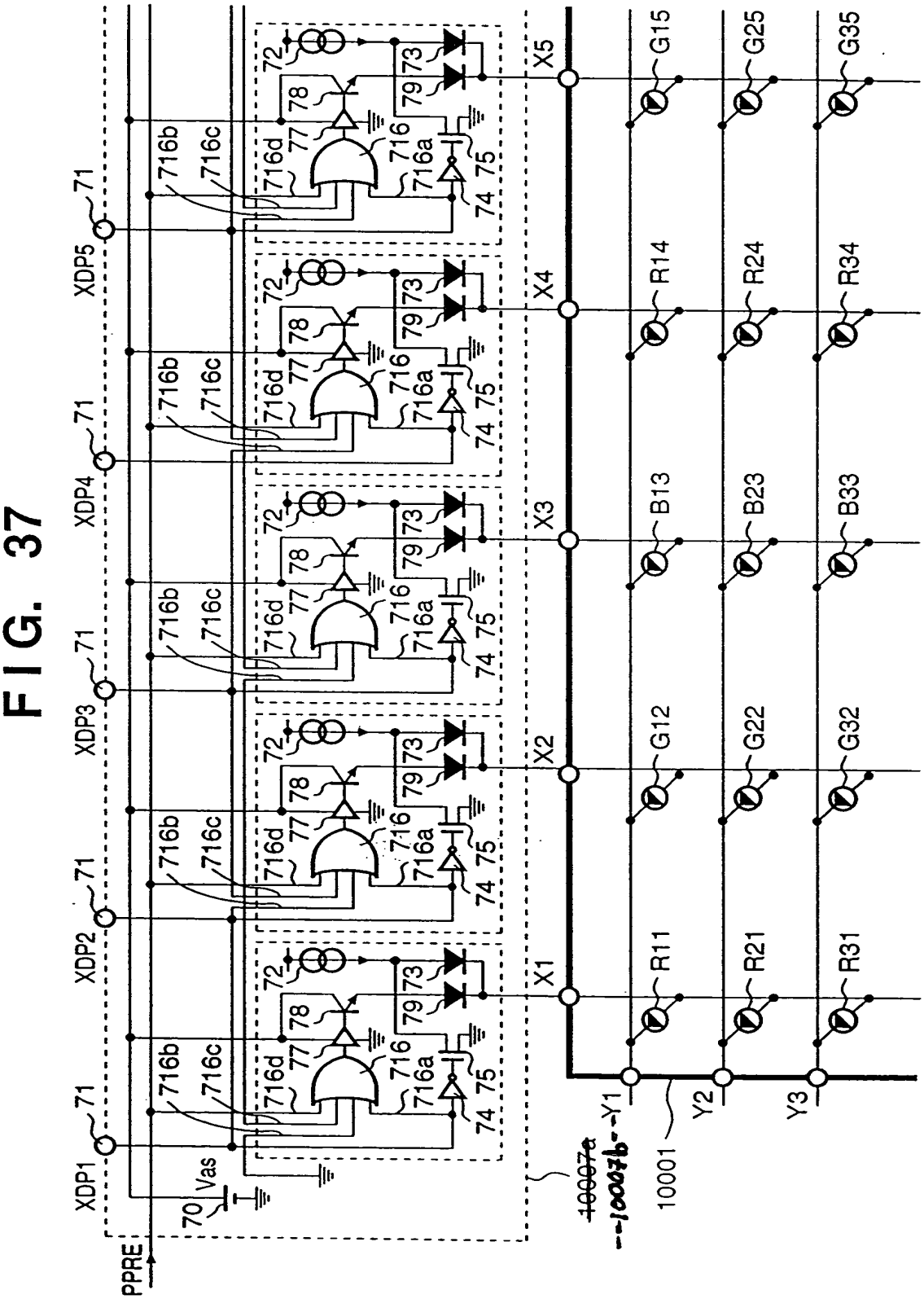

DATA REARRANGEMENT UNIT
DATA REARRANGEMENT UNIT
10003
S1
S2
S3
10004
LUMINANCE DATA CONVERTER
DIGITAL
ANALOG
R
G
B
A/D
10002
SHIFT REGISTER
SCLK
10005
XD1
XD2
XD3
XD4
XD5
XD6
XD7
XD480
MODULATED-SIGNAL GENERATOR
PCLK
10006
XDP1
XDP2
XDP3
XDP4
XDP5
XDP6
XDP7
XDP480
MODULATED-SIGNAL DRIVER
10007
10001
X1
X2
X3
X4
X5
X6
X7
X480
Y1
Y2
Y240
10009
10010
TIMING CONTROLLER
sync
DCLK
10008
SCANNING SHIFT REGISTER
YST
HD
-Vss

FIG. 37


XDP1
XDP2
XDP3
XDP4
XDP5
71
716b
716c
716d
716
716a
72
73
74
75
77
78
79
PPRE
70
Vas
X1
X2
X3
X4
X5
Y1
Y2
Y3
10001
R11
R21
R31
R14
R24
R34
G12
G22
G32
G15
G25
G35
B13
B23
B33